

PRESSURE REGULATOR WITH SINGLE STRUT REGULATOR SEAT

ABSTRACT OF THE DISCLOSURE

A fluid pressure regulator comprising a tubular housing having a fluid inlet at one end thereof and a fluid outlet at an opposite end and a fluid passage therebetween; a tubular plunger mounted for reciprocal movement in the fluid passage, the plunger having a flow control end and a piston end; a seat in the fluid passage including a seating surface located axially upstream of the plunger and adapted to be approached or engaged by a lower edge of the flow control end of the plunger, the seat supported centrally within the fluid passage by a single radially-oriented strut.